

13 SEP 1974

**MEMORANDUM FOR: Acting Director of Logistics**

**THROUGH : Chief, Real Estate and Construction Division, OL**

**SUBJECT : Funding to Support OJCS Expansion**

1. Pursuant to the Acting Deputy Director of Administrations's request for the identification of the timeframe and funds required to support the totality of the Office of Joint Computer Support (OJCS) proposed expansion, the following data is provided.

2. FY-1974 Funds:

a. Funds Committed:

\$175,000                      Site work for 1D1605 through 1D1613.

b. Funds Available (in process of being committed):

\$ 15,000                      Uprate transformer and distribution system in "B" Vault.

3. FY-1975 Funds:

a. Funds Required Immediately:

\$150,000                      To fund for changes presently being incorporated in existing "B" Vault expansion contract. Changes will provide adequate capacity in "B" Vault to support OJCS proposed expansion and provide circuitry which will integrate with future installation of solid state Uninterruptible Power System (UPS) in lieu of rotating motor-generator (M-G) system.

\$ 50,000                      To fund changes incorporated in the existing contract to provide a chilled water distribution system in support of ORACLE.

OL 4 4658

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Changes will provide an adequate capacity in the water distribution system to support proposed OJCS expansion.

**\$ 14,000**

Procurement of two new air handlers to be installed in GC03 in support of the 370/158-2 computer. Computer scheduled for installation in October of 1974.

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**\$214,000**

**TOTAL [Includes General Services Administration (GSA) fees]**

**b. Funds Required Not Later Than December of 1974:**

[OJCS will outgrow the 2,400 square feet provided by ORACLE at Milestone No. 8 scheduled for September of 1975. Assume renovations of approximately 3,000 square feet of Office of Medical Services (OMS) space will be accomplished through GSA. By experience gained from similar projects, it is known that a minimum of 9 months of coordinating and expediting is required for GSA accomplishment of work of this scope; i.e., funds and design must be transferred to GSA not later than December of 1974.] The costs below include burden of contractor overhead and profit, GSA fees, design, contingency, and inflation.

**Site Work:**

**\$347,200**

**Architect (Renovation of 3,000 square feet in OMS and associated moves to relocate OMS staff)**

**\$173,600**

**Power (To provide adequate capacity through Milestone No. 13)**

**\$292,900**

**Heating, Ventilating, and Air Conditioning (HVAC)**

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**\$813,700**

**Subtotal**

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\$813,700	Subtotal (Carried Forward)
+ \$ 5,200	Logistics Services Division (Furniture moving, carpets)
<hr/> \$818,900	GRAND TOTAL
Say, \$819,000	

**4. Additional Funds Required:**

The items listed below are necessary to insure a degree of reliability exists in the utility support systems which is consistent with the mission of the component housing the computer or environmentally sensitive equipment. The items achieve reliability through the provision of backup power and HVAC systems which are fully automatic (automatically activate in the event of a prime utility system failure), autonomous (can run independently of the prime system), and redundant (any point source failure will not cause a system failure). The estimated time to achieve an operational status after fund availability is listed after each item.

**Central Utilities:**

FY-1975	\$ 750,000	New 2500 kW generator. Existing generator is now overloaded. Demand is kept within nameplate-rating through the implementation of manual load shedding procedures during use of generator. Estimate approximately 2-year timeframe to procure, install, and debug new unit.
FY-1976	\$ 500,000	New UPS for Office of Communications (OC) and Information Services Group (ISG). At Milestone No. 13 of OJCS expansion, UPS presently under procurement will be dedicated to OJCS load. New system must be procured for OC and ISG loads. Estimate 14 months for procurement, installation, and debugging of new system.

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**FY-1976      \$   175,000**

Present configuration of backup chiller can handle up to 400 tons against a 531-ton projected demand at Milestone No. 13. System can be reconfigured for approximately 700-ton capacity. Estimate 9 months to a year for contract completion through GSA.

**Late  
FY-1975      \$   80,000**

New 400 Hz M-G units. OJCS will outgrow their backup standby 400 Hz generator at Milestone No. 6 scheduled for July of 1975. Prime source of 400 Hz is scheduled to be removed in February/March of 1976. \$80,000 will buy two new 400 Hz units, each of adequate size to meet Milestone No. 13 demands. Estimate 6 to 8 months to procure and install M-G units. If solid state UPS 400 Hz units are required, add \$80,000 to \$100,000 with approximate 1 year required to procure and install. Solid state units are recommended.

**\$1,505,000**

**TOTAL**

**5. Grand Total:**

**\$   819,000**

**Site Work**

**\$1,505,000**

**Central Utilities**

**\$2,324,000**

**GRAND TOTAL of Additional Funds  
Required**

**6. Grand Total by Fiscal Year:**

**\$1,649,000**

**FY-1975**

**\$   675,000**

**FY 1976**

STAT

**cc: D/OJCS**

**C/ASD** Approved For Release 2003/06/20 : CIA-RDP86-01019R000100240006-3

☐ CONFIDENTIAL

☐ SECRET

# ING AND RECORD SHEET

Expansion

TO: (Officer designation, room number, and building)		DATE		EXTENSION	NO.
Chief, Headquarters Engineering Branch, RECD/OL 2F42 Headquarters					
				OFFICER'S INITIALS	DATE 13 SEP 1974
		RECEIVED	FORWARDED		COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
1. Chief, Real Estate And Construction 906 Ames		3/18	3/18	7	Glenn:
2.					The 214K needed immediately in the attached memo is not included in the 2324K grand total because it is assumed the 214K has been approved and will soon be made available.
3.					
4. D/L					
5.					The briefing given to A-DD/A on 10 Sept. gave a grand total of 1.9 million for 2040 additional sq. ft. and utilities through Milestone #8. The 2.324 million grand total in the attached memo is for 3000 sq. ft. and utilities for the totality of the expansion, through Milestone #13. The 3000 additional sq. ft. plus the 2400 net sq. ft. presently provided by ORACLE will give a total of 5400 sq. ft., OJCS's minimum requirement.
6.					
7.					
8.					
9.					
10.					
11.					Previous briefings identified a total cost of 3.840 million for an additional 15,000 sq. ft. (including ORACLE's 2400 sw. ft.) and utilities through Milestone #13.
12.					
13.					
14.					
15.					

Have